

TRUKHINOVA, A.T.

Changing spring wheat into winter wheat. Trudy Inst. gen.  
(MIRA 16:7)  
no.29:106-134 '62.

(Wheat)

TRUKHINOVA, A.T., kand.biol. nauk

Changing the nature of plants. Agrobiologija no.2:262-271 Mr-Ap  
'63. (MIRA 16:7)

1. Institut genetiki AN SSSR. (Wheat breeding)

Country : USSR  
Category : Farm Animals.  
          : Cattle.  
Abs. Jour : Ref Zhur-Biol., No 16, 1958, 74018 Q-2  
Author : Trukhina, Ye. P.  
Institut. : AS USSR Institute of Biology, Ural Affiliate.  
Title : The Changes of Leukocyte Quantity and Leukocyte  
          : Formula in Planned Breeding of Calves of the  
          : Tagil'skiy Breed.  
Orig. Pub. : Tr. In-ta biol. Ural'skiy fil. AN SSSR, 1957,  
          : vyp. 4, 14-22  
Abstract : The experimental calves (12 heads) received  
          : a more full-valued diet than controls (14  
          : heads). The increase of the quantity of dige-  
          : stible protein in rations produced an increase  
          : of the quantity of leukocytes in the calves'  
          : blood. The leukocyte formula changed into the  
          : direction of a higher number of neutrophils in  
          : the blood of calves of the experimental group,  
          : and in the blood of calves of the control group  
          : into the direction of an increased number of

Cará:

1/2

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SOV/124-57-5-5889

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 124 (USSR)

AUTHOR: Trukhlov, A. M.

TITLE: On the Use of Trigonometric Series in Design Problems Relating to  
Plates and Shells (O primenenii trigonometricheskikh ryadov k  
zadacham rascheta plastinok i obolochek)

PERIODICAL: Tr. Saratovsk. avtomob.-dor. in-ta, 1953, Nr 12, pp 224-228

ABSTRACT: Boundary problems for the equation  $EIy'' = q(x)$  are solved by means  
of the formal application of diverging trigonometric series (ref., for  
example, series 8). F. V. Shirokov

Card 1/1

124-57-2-2487D

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 137 (USSR)

AUTHOR: Trukhlov, A. M.

TITLE: Force and Moment Distribution in the Reinforced-concrete Walls  
of the Silo Bin of a Grain Elevator (Raspredeleniye usiliy i mo-  
mentov v stenkakh zhelezobetonnogo silosnogo korpusa zernovogo  
elevатора)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree  
of Doctor of Technical Sciences, presented to the Mosk. inzh.-  
stroit. in-t (Moscow Institute of Structural Engineering), Saratov,  
1956

ASSOCIATION: Mosk. inzh.-stroit. in-t (Moscow Institute of Structural Engin-  
eering),

1. Structures--Analysis    2. Reinforced concrete

Card 1/1

TRUKHLOV, A. M.

Cand. Tech. Sci.

Dissertation: "Calculation-Theoretical Investigation in Connection with Restoration of  
the Reinforced Concrete Crane Elevators." Moscow: Doctoral Dissertation of the Dept. of Reinforced Concrete  
Construction Engineering Inst. imeni V. V. Kuybyshev, 9 Jun 47.

SC: Vesternaya Kosyva, Jun, 1947 (Project #17-3)

TRUKHLOV, Aleksandr Mikhaylovich (Saratov Automobile-Roads Inst)  
awarded sci degree of Doc Tech Sci for 29 Jun 56 defense of dissertation:  
"Distribution of strength and moment [momentov] in reinforced concrete  
walls of the silo part [silosnogo korpusa] of a grain elevator" at  
the Council, Mos Engr Constr Inst imeni Kuybyshev; Prot No 4,

15 Feb 58.

(BavO, 6-58,21)

TRUKHLOV, A.M., doktor tekhn. nauk; OSIPOV, M.M., inzh.

Calculation of stresses in a wall of a corner silo under the  
action of forces applied from below. Bet. i zhel.-bet. 9  
(MIRA 16:12)  
no.10:469-475 0 '63.

DEDOV, V.B.; RYZHOV, M.N.; TRUKHLYAYEV, P.S.; YAKOVLEV, G.N.

[Complex formation of americium and curium with  
α-hydroxybutyric acid] Issledovanie komplekso-  
obrazovaniia ameritsiia i cururia s α-oksizomaslianoii  
kislotoi. Moskva, Inst atomnoi energii, 1960. 10 p.  
(MIRA 17:1)

(Americium compounds) (Curium compounds)  
(Propionic acid)

TRUKHLYAYEV, P. S.

8. Nuclear Spin and Magnetic Moment of Eu<sup>152</sup> Obtained From Paramagnetic Resonance Study

"Hyperfine Structure of Paramagnetic Resonance. Nuclear Spin and Magnetic Moment of the Isotope Eu<sup>152</sup> With Half-Life 5.3 Years," by A. A. Manenkov, A. M. Prokhorov, P. S. Trukhlyayev, and G. N. Yakovlev, Doklady Akademii Nauk SSSR, Vol 112, No 4, Feb 57, pp 623-625

The nuclear spin and magnetic moment of Eu<sup>152</sup>, possessing a 5.3-year half-life, were obtained from the hyperfine structure of the paramagnetic resonance. A 17% concentration of Eu<sup>152</sup> was obtained from a mixture of Eu<sup>151</sup> and Eu<sup>153</sup> exposed to a neutron beam. A superheterodyne spectrometer was used to measure the hyperfine structure of paramagnetic resonance in SrS.Eu<sup>151</sup>, 152, 153.

Analysis of the structure yielded the values 2.03 nuclear magnetons and 3 for the magnetic moment and spin, respectively, of Eu<sup>152</sup>. (U)

DEDOV, V.B.; VOLKOV, V.V.; GVOZDEV, B.A.; YERMAKOV, V.A.; LEBEDEV, I.A.;  
RAZBITNOY, V.M.; TRUKHLYAYEV, P.S.; CHUBURKOV, Yu.T.; YAKOVLEV, G.N.

Production of  $Pu^{242}$  and  $Cm^{242}$  from neutron irradiated  
 $Am^{241}$ . Radiokhimia 7 no.4:453-461 '65. (MIRA 18:8)

L 00037-66 EWT(m) DIAAP  
ACCESSION NR: AP5020306

UR/0186/65/007/004/0453/0461

AUTHOR: Dedov, V. B.; Volkov, V. V.; Gvozdev, B. A.; Ternakov, V. A.; Lebedev, K. A.  
Razbitnoy, V. M.; Trukhiyayev, P. S.; Chuburkov, Yu. T.; Yakovlev, O. M.

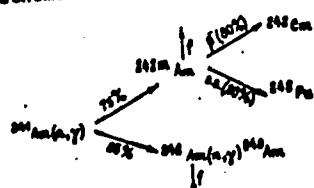
TITLE: Production of Pu-242 and Cm-242 from neutron-irradiated Am-241

79, 25

SOURCE: Radiokhimiya, v. 7, no. 4, 1965, 453-461

TOPIC TAGS: plutonium, curium, americium, extraction, neutron irradiation

ABSTRACT: Irradiation of Am-242 with thermal neutrons produces Pu<sup>242</sup>, Cm<sup>242</sup> and Am<sup>243</sup> which are of great interest in a number of physical and radiochemical investigations. The synthesis scheme is as follows:



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L 00037-66  
ACCESSION NR: AP5020306

The thermal neutron cross section of Am<sup>241</sup> is 900 barn, thus even upon short irradiation with a high density thermal-neutron beam a significant amount of the above isotopes may be produced. It can be seen from the above process that the yield of fission products is small since they are produced mainly during fission of Am<sup>242</sup>. This facilitates the chemical processing of irradiated substances. Production of Pu<sup>242</sup> by this process requires much less time than the method which uses Pu<sup>239</sup> as starting material. The authors describe the chemical separation of Pu<sup>242</sup>, Cm<sup>242</sup> and Am<sup>243</sup> from irradiated Am<sup>241</sup>. The scheme for the chemical processing was selected to be such that it would produce rapid separation of the products. The main separation steps involved chromatographic and chemical extraction methods. Chromatographic separation was made extremely difficult by high  $\alpha$ -activity due to the presence of Cm<sup>242</sup>. Chemical processing was carried out in a shielded area on a special stand with remote control of all operations. The article indicates some properties of curium oxalate, potassium curium sulfate, curium hydroxide and curium carbonate. Orig. art. has: 5 tables and 3 figures.

ASSOCIATION: none

SUBMITTED: 18Apr64

ENCL: 00

SUB CODE: QC, WP

NO REF SOY: 004

OTHER: 005

Card 2/2

TRUKHMANOV, Boris Georgievich, doktor med. nauk; NABOKOV, Yu.S.,  
red.

[Associated vaccines; their effect on the organism and the  
adequacy of acquired immunity] Assetsiirovannye vaktsiny;  
o vliianii na organizm i polnotsennosti priobretаемого im-  
muniteta. Moskva, Meditsina, 1964. 274 p.  
(MIRA 17:9)

TRUKHMANOV, B.G.; PREGER, S.M.; SLOBODSKOY, R.M.

Correlation of antibody titers in serum-producing horses in  
double immunization against diphtheria and tetanus. Trudy  
TomNIIVS 14:207-212 '63. (MIRA 17:7)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.

KOSTYUK, A.G., kand.tekhn.nauk; TRUKHIN, A.D., inzh.; GETSOV, L.B., kand.  
tekhn.nauk

Strength of power system components in nonsteady operation.  
Teploenergetika 12 no.1:48-53 Ja '65. (MIRA 18 4)

1. Moskovskiy energeticheskly institut.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820005-7

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820005-7"

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CIA-RDP86-00513R001756820005-7"

"APPROVED FOR RELEASE: 03/14/2001

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Card 3/3

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820005-7"

GOL'DANSKIY, V.I.; MAKAROV, Ye.F.; STUKAN, R.A.; SUMAROKOVA, T.N.;  
TRUKHTANOV, V.A.; KHRAPOV, V.V.

Particular features of the Mössbauer effect for tin com-  
pounds with coordination number 6. Dokl. AN SSSR 156 no. 2:  
(MIRA 17:7)  
400-403 My '64.

1. Institut khimicheskoy fiziki AN SSSR. 2. Cheln-korrespondent  
AN SSSR (for Gol'danskiy).

S/0020/64/156/002/0400/0403

ACCESSION NR: AP4036726

AUTHOR: Gol'danskiy, V. I. (Corresponding member); Makarov, Ye. F.; Stukan, R. A.; Sumarokova, T. N.; Trukhtanov, V. A.; Khrapov, V. V.

TITLE: Characteristics of Mossbauer effect for tin compounds with a coordinate number six

SOURCE: AN SSSR. Doklady\*, v. 156, no. 2, 1964, 400-403

TOPIC TAGS: Mossbauer effect, gamma fluorescence, Debye Vallerovskiy factor, Mossbauerian atom, polymer crystal, crosslink bond, quadrupolar splitting, chemical displacement, tin compound, ionicity, crystal structure

ABSTRACT: The authors demonstrate that resonant  $\gamma$ -fluorescence without yield (the Debye-Vallerovskiy factor) and the character of the temperature curve essentially depend on the crystal-structure relationship of Mossbauerian atoms. Two tables show the amount of chemical displacement in the compounds investigated and the  $a'$  quantities for some of these compounds at temperatures of  $T = 78^{\circ}\text{K}$  and  $300^{\circ}\text{K}$ . In addition, a probable structure of  $\text{SnF}_4$  is illustrated. The strong quadrupolar splitting in the subject problem is explained by the essential differences in the

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ACCESSION NR: AP4036726

degree of  $sp^2d$  ionicity of the hybridized tetravalent Sn-F bond, with horizontal F atoms in a basic polymer crystal forming crosslink bonds between Sn and two other ( $p_z d_z 2$ ) SnF-bonds which evidently are ionic. During the migration from  $SnF_4$  to  $K_2SnF_6$  and  $Cs_2SnF_6$ , i.e., from the octahedron with a  $D_{4h}$  symmetry to  $O_h$  with six ( $sp^3d^2$ ) Sn-F equivalent bonds, the quadrupolar splitting disappeared. Instead, the increase in the degree of molecular symmetry was accompanied by a strong decrease in the Debye-Vallerovskiy factor (especially at room temperature), while the chemical displacement remained constant. Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: Institut khimicheskoy fiziki. Akademii nauk SSSR (Institute of Chemical Physics, Academy of Sciences SSSR)

SUBMITTED: 31Jan64

DATE ACQ: 03Jun64

ENCL: 00

SUB CODE: OC

NO REF Sov: 008

OTHER: 002

Card 2/2

NARKEVICH, O.Ye.; TRUKHTANOVA, V.I.; ROYZMAN, V.M.; DUBROVINA, L.M.;  
VAGONOVА, N.A., red.; EL'KINA, E.M., tekhn. red.

[Price determination in enterprises of public dining]TSeno-  
obrazovanie v predpriatiakh obshchestvennogo pitaniia. Mo-  
skva, Gostorgizdat, 1962. 86 p. (MIRA 16:3)  
(Restaurants, lunchrooms, etc.--Prices)

DEDOV, V.B.; LEBEDEV, I.A.; RYZHOV, M.N.; TRUKHLYAYEV, P.S.; YANOVLEV, G.N.

Americium and curium complexing with  $\alpha$ -hydroxyisobutyric acid.  
Radiokhimiia 3 no.6:701-705 '61. (VIRA 14:12)  
(Americium compounds)  
(Curium)  
(Isobutyric acid)

TRULEV, Yu. I.

120-5-9/35

AUTHORS: Yegorov, Yu.S., Latyshev, G.D., and Trulev, Yu.I.  
TITLE: Stabilization of the Magnetic Field in Magnetic Spectrometers (Stabilizatsiya magnitnogo polya v magnitnykh spektrometrakh)  
PERIODICAL: Pribory i Tekhnika Eksperimenta, 1957, No.5,  
pp. 41 - 46 (USSR).

ABSTRACT: An instrument is described which uses the phenomenon of nuclear proton resonance to stabilize the magnetic field in a beta spectrometer. The stable point of operation may be chosen anywhere in the range 140 to 1 400 Oe. The degree of stabilization is approx.  $2 \cdot 10^{-5}$  for fields greater than 300 Oe and  $4 \cdot 10^{-5}$  for fields greater than 140 Oe. Table 1 gives details of the pick-up coil. For fields up to 940 Oe, the coil is a toroid of volume  $13 \text{ cm}^3$  and Q-value about 70. Fig. 1 is the circuit of the amplitude bridge and l.f. amplifier. Fig. 2 shows the phase-detector and d.c. amplifier. Fig. 4 is the F-line resonance ( $H_0 = 1389$ ). This curve was repeated 5 times and the position of the maximum could be located to an accuracy of  $4 \cdot 10^{-2}$ . The equipment has been used over a period of four months for investigating the electron spectrum of RaTh in the range 140 to 2 600 keV. The stabilization coefficient of the Card1/2 circuit against changes in the current in the main field coil

120-5-9/35

Stabilization of the Magnetic Field in Magnetic Spectrometers.

is 100. The main field was supplied from accumulators and had a drift rate of 0.01%/sec. in current. The dominant time constant in the feedback circuit was 5 sec. A note added in proof reports that the lower limit to the field which can be stabilized has recently been reduced to 12 Oe, while measurements may extend down to 5 Oe.

There are 6 figures, 1 table and 12 references, 7 of which are Slavic.

ASSOCIATION: Leningrad Institute of Railway Transport Engineers  
(Leningradskiy institut inzhenerov zheleznodorozhnogo  
transporta)

SUBMITTED: December 29, 1956.

AVAILABLE: Library of Congress  
Card 2/2

SOV/115-59-8-2/33

25(1), 28(2)

AUTHOR: Koronkevich, V. P., and Trulev, Yu. I.

TITLE: An Interference Fringe Counter for Measuring Small Lengths

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 8, pp 5 - 7 (USSR)

ABSTRACT:

The authors designed a device for measuring small lengths up to 1-2 mm, shown in Figure 1. They describe this device in detail. It consists of the Michelson (Maykel'son) interferometer PIU-1 (interferometers PIU-2 or PIU-3 may also be used) and the standard PS-64 counting device. A mercury lamp of the plant "Etalon" is used as a monochromatic light source. The interference pattern at the outlet of the interferometer is caused by different light path lengths. Interference fringes of any width may be obtained in the focal plane of the interferometer ocular which may be oriented in any desired direction. A small shift of the contact interferometer feeler produces light path variations which result in periodic light intensity changes at the interferometer outlet. A diaphragm installed in the outlet cuts out a section

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SOV/115-59-8-2/33

**An Interference Fringe Counter for Measuring Small Lengths**

of the interference fringes. The light intensity changes at the interferometer outlet are picked up by a FEU-19M photomultiplier and are fed, converted to electrical signals, to a pulse shaping circuit. Here, the signals are converted to pulses of equal amplitude and shape. The pulse shaping circuit consists of an amplifier with direct coupling and a gain factor of 15-20, and one relaxation relay with one stable state. The upper passband limit is determined by the required counting rate which is about 1000 pulses per second for measuring purposes. At this rate, all pulses entering the input of the PS-64 device are registered by the electromechanical counter. The photomultiplier is fed with 1300 volts dc from a stabilized VS-9 rectifier. The voltage divider resistance was selected with an error rating not exceeding 1-2%. Combined with the interference fringe counter the interferometer PIU-1 may be used for checking micron dial gages, as shown in Figure 2. The checking procedure is described briefly. A

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SOV/115-59-8-2/33

An Interference Fringe Counter for Measuring Small Lengths  
length measured is calculated by the following formula:

$$L = N \frac{\lambda}{2}$$

where  $L$  is the length to be measured;  $N$  is the interference order (pulse number); and  $\lambda$  is the wavelength of the light (in this case  $\lambda = 0.5461$  microns). Since the photoelectric circuits will register only full interference fringes, a lower number  $N$  will be obtained. In addition, the diaphragm aperture must be taken into consideration. For practical calculations the authors recommend A. N. Zakhar'yevskiy's [Ref 3] conception of the effective wavelength:

$$\lambda' = \frac{2}{1 + \sqrt{1 - A^2}} \lambda,$$

where  $A$  is the aperture of the illuminating pencil. Using the data of Ye. F. Dolinskiy the authors derive a formula for determining the error

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SOV/115-59-8-2/33

An Interference Fringe Counter for Measuring Small Lengths

$$\Delta L \leq \left[ (N+1) \frac{\lambda}{2} - L_0 \right] + L \frac{1 - \sqrt{1 - A^2}}{1 + \sqrt{1 - A^2}} + \frac{\lambda}{2}$$

The device designed by the authors was investigated experimentally and it was established that the measuring error was 0.15 to 0.25 microns. The theoretical mean square error should have a magnitude of 0.16 or 0.1 microns. The deviation of the experimental and the theoretical magnitudes are explained by mechanical inaccuracies of the dial gages used for checking. For recording fractional parts of interference fringes a trigger circuit was introduced, which reduced the mean square error to 0.13 microns. In their conclusions the authors point out that it is convenient to design an interferometer with a fringe counter using standardized components produced by the Soviet industry. Since the error of such an interferometer does not exceed 0.22 microns. It may be used for the majority of measurements in the machinebuilding industry, for checking micron dial

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An Interference Fringe Counter for Measuring Small Lengths  
gages and micrometer screws or for measuring heat  
expansion coefficients of bodies and similar opera-  
tions. For more precise measurements, the accuracy  
of this device may be increased by applying devices  
which will fix fringe fractions with an accuracy of  
0.5 fringes. There are 1 diagram, 1 photograph and  
3 references, 1 of which is Soviet and 2 American.

SOV/115-59-8-2/33

Card 5/5

TRUKHMANOV, B. G.

Sorkina, A. I., Tripolova, A. A. and Trukhmanov, B. G. "Treatment of poorly healing wounds of tissues with acid solutions," Sbornik nauch. rabot evak-hospitalej i Kafedry obshchey chirurgii (Irkut. obl. otd. zdravookhraneniya. Irjut. gos. med. in-t), (Irkutsk), 1948, p. 163-68

SO: U#2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

TRUKHMANOV, B. G.

"Allergic component of a meningococcal toxin," Collection I, B. G. Trukhmanov.  
"Anaphylactic reaction caused by a meningococcal toxin and its derivation during  
active sensitization of animals," Collection II, B. G. Trukhmanov. "Appearance of  
anaphylaxis from a meningococcal preparation in experiments of passive sensitization,"  
In the index: B. G. Trukhmanov. Sbornik nauch. trudov (Irkut. in-t Epidemiologii i  
mikrobiologii). Issue 9, 1948, p. 175-201

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

IZRALIMSKIY, A.S.; GULYAYEVA, M.V.; TRUKHMANOV, B.G., kandidat meditsinskikh  
nauk, direktor.

Certain factors of natural immunity to dysenteric infection. Zhur.mikro-  
biol.epid.i immun. no.3:32-36 Mr '53. (MLRA 6:6)

l. Dnepropetrovskiy institut epidemiologii i mikrobiologii. (Dysentery)

TRUKHMANOV, B.G.; KRASNOVA, V.G.

Immunologic properties of a combined preparation trianatoxin.  
Zhur.mikrobiol.epid.i immun. no.5:40-44 '55. (MIRA 8:7)

1. Iz Dnepropetrovskogo instituta epidemnologii, mikrobiologii i  
gigiyeny (dir. -dandadat meditsinskikh nauk. B.G.Trukhmanov).

(DIPHTHERIA,

anatoxin, combined anatoxin of diphtheria, tetanus &  
dysentery)

(TETANUS,

anatoxin, combined anatoxin of diphtheria, tetanus &  
dysentery).

(DYSENTERIA, BACILLARY,

anatoxin, combined anatoxin of diphtheria, tetanus &  
dysentery)

TRUKHMANOV, B.G.; PAFNUT'YEVA, G.V.

Diphtheria-tetanus anatoxin in immunity studies. Zhur.mikrobiol.  
epid.i immun. no.5:44-48 My '55. (MLRA 8:7)

1. Iz Dnepropetrovskogo instituta epidemiologii, mikrobiologii i  
gigieny (dir. -kandidat meditsinskikh nauk B.G.Trukhmanov.  
(DIPHTHERIA,  
anatoxin combined diphtheria-tetanus anatoxin)

(TETANUS,  
anatoxin, combined diphtheria-tetanus anatoxin)

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CIA-RDP86-00513R001756820005-7"

TRUKHMANOV, B. G.

"The Aims of Soviet Public Health in the Light of the Decisions of the 20th Congress of the CPSU" was a report given at an interoblast scientific-practical conference on problems of laboratory diagnosis in infectious diseases was held at the Tomsk Scientific Research Institute of Vaccines and Sera, 12-16 March 1956.

SUM: 1360 p 237

*7 EKTHMANOV, B.C.*

## PAGE I BOOK EXTRATION

807/116

Treaty, Book 11 ("Proceedings of the Czech Scientific Research Institute of Veterinary Services, Vol. 11) Prague, Edm Tomasek editor, 1960. 327 p. 1,700 copies period.

Editorial Board: Dr. J. Dubský (Rep. Ed.) Director of the Czech Scientific Research Institute of Veterinary Services; Dr. Karel (Rep. Ed.) Dubský (Secretary); M.M. Popov (Deputy); Dr. L. Černý (Deputy); Dr. V. Šimáček (Deputy); Dr. M. H. (Rep. Germany).

PURPOSE: This collection of articles is intended for biologists, physicians, and medical personnel.

- CONTENTS: The collection contains 18 papers on problems of epidemiology and aetiology and 13 reports on the theory and practice of immunology. To avoid repetition of names of organizations in the table of contents the following institutions will be abbreviated: Faculty of Veterinary Medicine-Laboratory Institute "Veterináří Přerovská" (Czech Agricultural Research Institute of Veterinary Services and Services) and Faculty of Veterinary Medicine-Laboratory Institute "Veterináří Brno" (Czech Agricultural Research Institute of Veterinary Services and Services), Faculty of Veterinary Medicine-Laboratory Institute "Veterináří Plzeň" (Czech Agricultural Research Institute of Veterinary Services and Services), Faculty of Veterinary Medicine-Laboratory Institute "Veterináří Zlín" (Czech Agricultural Research Institute of Veterinary Services and Services) and Faculty of Veterinary Medicine-Laboratory Institute "Veterináří Olomouc" (Czech Agricultural Research Institute of Veterinary Services and Services) as "Czech Department of Entomology".
1. Teplický, L.F. and M. Zádorová (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  2. Teplický, L.F. and A.M. Teplický (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  3. Teplický, L.F., M. Zádorová and M. V. Pedersen (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  4. Teplický, L.F., M. Zádorová and M. V. Pedersen. Data Pertaining to the Characteristics of the Outbreak Index of Tick Encephalitis
  5. Teplický, L.F. and M. Zádorová (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  6. Teplický, L.F., M. Zádorová, M. V. Pedersen, and M. V. Pedersen. Data Pertaining to the Characteristics of the Outbreak Index of Tick Encephalitis
  7. Teplický, L.F. and A.M. Teplický (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  8. Teplický, L.F., M. Zádorová, M. V. Pedersen, and M. V. Pedersen. Data Pertaining to the Characteristics of the Outbreak Index of Tick Encephalitis
  9. Teplický, L.F. and M. Zádorová (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  10. Teplický, L.F., M. Zádorová, M. V. Pedersen, and M. V. Pedersen (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  11. Teplický, L.F., M. Zádorová, M. V. Pedersen, and M. V. Pedersen (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  12. Teplický, L.F., M. Zádorová, and M. V. Pedersen (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  13. Teplický, L.F. and M. Zádorová (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  14. Teplický, L.F. and M. Zádorová (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  15. Teplický, L.F. and M. Zádorová (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  16. Teplický, L.F. and M. Zádorová (Czech Institute of Animal Health and Veterinary Services) on Epidemiological Characteristics of Tick Encephalitis in Farmers' oblast
  17. Teplický, L.F. (Epidemiology and Epidemiology Department). Prevalence of Tick Encephalitis in Cattle in Various Regions
  18. Teplický, L.F. (Epidemiology and Epidemiology Department). Study of the Epidemiology of Tick Encephalitis
  19. Teplický, L.F. (Czech Institute of Animal Health and Veterinary Services) on Epidemiology of Tick Encephalitis
  20. Teplický, L.F. (Czech Institute of Animal Health and Veterinary Services) on Epidemiology of Tick Encephalitis

TRUKHMANOV, B.G.; RODYUKOVA, Ye.N.

Amount of antibodies in the blood of colts and in the milk of  
horses used in the production of encephalitis serum; Vop.virus.  
6 no.2:149-151 Mr-Ap '61. (MIRA 14:6)

1. Tomskiy institut vakcisin i syvorotok.  
(ENCEPHALITIS) (MILK) (ANTIGENS AND ANTIBODIES)

TRUKHMANOV, B.G.; KSENTS, S.M.

Determination of the tolerance for compound polyvalent multiantigen vaccines in experiments on dogs. Trudy TomNIIVS 14:145-151 '63.

Compound polyvalent multiantigen vaccines in experiments on dogs. Ibid. 152-160 (MIRA 17:7)

1. Tomskiy nauchno-issledovatel'skiy institut vakcini i syvorotok i Tomskiy gosudarstvennyy universitet.

TRUKHMANOV, B.G.; SLOBODSKOY, R.M.; RON'ZHINA, S.D.

Duration of the preservation of diphtherial and tetanus immunity in serum-producing horses during the transfer to another type of immunization and the importance of delayed revaccination. Trudy TomNIIVS 14:202-206 '63. (MIRA 17:7)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.

TRUKHMANOV, B.G.

Nature of ne meningococcal toxin. Trudy Tom NIVVS 12:297-309  
'60 (MIRA 16:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i  
syvorotok.

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TRUKHMANOV, B.G.; MASLYANKO, R.P.

Duration of the utilization of horses yielding therapeutic serums in different types of immunization. Trudy Tom NIIVS  
(MIRA 16:11)  
12:214-221 '60

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.

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TRUKHMANOV, B.G.

Test puncture as a method of early diagnosis of a rupture of  
the liver in horses yielding therapeutic serums. Trudy Tom  
NIIVS 12:231-236 '60 (MIRA 16:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i  
syvorotok.

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TRUKHMANOV, B.G.

Separation of antibodies in serums of horses immunized with polyvalent vaccines and the possibility of obtaining several serums from one horse. Trudy Tom NIIVS 12:155-164 '60 (MIRA 16:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotek.

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TRUKIMANOV, B.G.; TIKHONOVA, L.Ya.

Changes in the anaphylactic and immunological reactions in  
sensitized guinea pigs under supplementary action of cor-  
tisone. Trudy Tom NIIVS 12:170-177 '60 (MIRA 16:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i sy-  
vorotok.

X

TRUKHMANOV, B.G.; YAV'YA, A.R.

Reactogenicity and the epidemiological effectiveness of an-  
tiencephalitic vaccine according to its evaluation by pub-  
lic health agencies. Trudy Tom NIIVS 12:22-28 '60  
(MIRA 16:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i sy-  
vorotok.

X

KARPOV, Sergey Petrovich; FEDOROV, Yuriy Vasil'yevich;  
TRUKHMANOV, B.G., st. nauchn. sotr., red.; MORDOVINA,  
L.G., red.izd-va

[Epidemiology and prevention of tick-borne encephalitis]  
Epidemiologija i profilaktika kleshchevogo entsefalita.  
Tomsk, Izd-vo Tomskogo univ., 1963. 227 p.  
(MIRA 17:1)

TRUKHMANOV, B.G.

Meningococcus toxin and its derivatives in the Schwartzman pheno-  
menon. Trudy TomNIIVS 11:154-160 '60. (MIRA 16:2)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.  
(TOXINS AND ANTITOXINS) (NEISSERIA)

TRUKHMANOV, B.G.

Anaphylactic properties of simple and complex associated vaccines.  
Trudy TomNIIVS 11:135-140 '60. (MIRA 16:2)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.  
(ANAPHYLAXIS) (VACCINES)  
(TOXINS AND ANTITOXINS)

TRUKHMANOV, B.G.; YEGORSHINA, L.A.; ZEL'TINA, N.F.

Reactivity of the preparations against spring and summer tick-borne encephalitis. Trudy Tom NIIVS 11:255-260 '60. (MIRA 16:2)

(ENCEPHALITIS) (IMMUNOCHEMISTRY)

TRUKHMANOV, B.G.

Anaphylactic properties of simple and complex associated vaccines.  
Trudy TomNIIVS 11:135-140 '60. (MIRA 16:2)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.  
(ANAPHYLAXIS) (VACCINES)  
(TOXINS AND ANTITOXINS)

TRUKHMANOV, B.G.; TIKHONOV, L.Ya.

Active anaphylaxis to anatoxins under conditions of changed  
sensitivity of the organism. Trudy TomNIIVS 11:141-146 '60.  
(MIRA 16:2)  
1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i sывороток.  
(ANAPHYLAXIS) (TOXINS AND ANTITOXINS)

TRUKHMANOV, B.G.

Immunological characteristics of polyanatoxins and more complex  
associated multiantigen vaccines. Trudy TomNIIVS 11:121-134 '60.  
(MIRA 16:2)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.  
(VACCINES) (TOXINS AND ANTITOXINS)

TRUKHMANOV, B.G.; RODYUKOVA, Ye.N.

Using encephalitis vaccine as an antigen in the production of an  
antiencephalitis serum. Trudy TomNIIIVS 11:238-242 '60.

(MIRA 16:2)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i sывороток.  
(ENCEPHALITIS) (SERUM)

TRUKHMANOV, B.G.

Arthus's phenomenon with polyanatoxins and other complex  
associated preparations. Trudy Tomskii 11:147-153 '60.  
(MTRA 16:2)

l. Tomskiy nauchno-issledovatel'skiy inst'tut vaktsin i  
syvorotok.  
(ANTIGENS AND ANTIBODIES) (TOXINS AND ANTITOXINS)

TRUKHMANOV, B.G.; KLEYTMAN, Ye.I.; YEGORSHINA, L.A.

Possibility of using white rats for determining the quality of  
bacterial preparations. Trudy TomNIIVS 11:292-298 '60.  
(MIRA 16:2)  
(LABORATORY ANIMALS) (SERUM) (TOXINS AND ANTITOXINS)

TRUKHMANOV, B.G.; FEDOROV, Yu.V.

Effect of hormones (cortisone and ACTH) on vaccinal immunity  
against tick-borne encephalitis in an experiment. Vop.virus 7  
no.5:537-539 S-0 '62. (MIRA 15:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.  
(ENCEPHALITIS--PREVENTIVE INOCULATION)  
(CORTISONE) (ACTH)

TRUKHMANOV, I-S.

PHASE I BOOK EXPLOITATION 1001

Opyt ekspluatatsii vysokovol'tnykh setey Mosenergo' sbornik statey  
(Operating Experience of the Mosenergo High-voltage Networks,  
Collection of Articles) Moscow, Gosenergoizdat, 1957, 79 p.  
4,000 copies printed.

Gen. Ed.: Klement'yev, D.P., and Baumshteyn, I.A.; Ed.:  
Alekseyev, S.V.; Tech. Ed.: Medvedev, L.Ya.

PURPOSE: This collection of articles is intended for engineers and  
technicians engaged in the operation and repair of high-voltage  
equipment of power systems. It may also be useful to designers  
of H-V installations.

COVERAGE: The reports are the result of experience gained in the  
operation, preventive maintenance, repair and development of  
electrical equipment in substations and H-V networks. They also  
contain the first account of the application of telemechanics in  
network regions of Mosenergo (Moscow Regional Power System  
Administration). There are no references.

Card 1/7

Operating Experience (Cont.)

1001

## TABLE OF CONTENTS:

Introduction

3

Smirnov, V. S., Engineer. Improvement in the Construction of  
110-kv Air Circuit Breakers Made in the USSR  
The author states that frequent failures in circuit  
breaker operation occur in Soviet H-V networks, and in  
the Mosenergo network in particular, because of the  
faulty construction of these breakers, owing to the lack  
of pneumatic blocking and poor control arrangement.  
These two defects were corrected in 1955 in the Mosenergo  
H-V network.

5

Trukhmanov, I. S., Engineer. Operating Experience With Air  
Compressor Units of Substations Equipped With Air Circuit  
Breakers  
The author describes 3 types of air compressor units  
produced for the last 7 years by Mosenergo. He lists all  
defects of these compressors and makes recommendations  
for their removal.

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Card 2/7

Operating Experience (Cont.)

1001

Yurenkov, V. D., Candidate of Technical Sciences. Experience in Preventive Maintenance and the Use of Insulation for Equipment in 220-kv Substations

22

The author describes the methods employed in preventive testing of separate pieces of equipment at one of the 220-kv Mosenergo substations. This substation was equipped with apparatus of foreign make and put into operation in 1949. The author sums up the experience gained and enumerates the defects of insulation and the methods employed to improve operating conditions.

Korolev, A. I., Engineer. Testing the Insulation of Secondary Circuits With Stepped-up D-C and A-C Voltages

31

The author presents the results of tests carried out by the Mosenergo H-V Laboratory and compares the two methods employed: 1,000 volts a-c and 2,000 volts d-c for 1 minute. He finds that test voltages may be stepped up to 1500 volts a-c and 2,500 volts d-c.

Card 3/7

Operating Experience (Cont.)

1001

Borukhman, V. A., and Lebedev, V. G., [Deceased], Engineers.  
Experience in Substation Telemechanization in Areas of  
the Mosenergo H-V Network

33

Mosenergo has recently telemechanized 3 regional H-V  
networks comprising 21 substations. The authors describe  
the level of telemechanization achieved and discuss  
problems connected with the telemechanization of  
synchronous condensers. They describe the basic com-  
ponents required for telemechanization and explain their  
operation.

Kuznetsov, A. I., Engineer. Experience in the Use of Storage  
Batteries

38

The author considers the present set of instructions con-  
cerning the operation and maintenance of storage batteries  
to be out of date and suggests that they be rewritten on  
the basis of experience gained in this field. He suggests  
changing the procedure for charging storage batteries,  
replacing the inadequate mercury arc rectifiers of the URV-1  
and URV-3 types and improving the operating conditions of  
the batteries.

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Operating Experience (Cont.)

1001

Aptov, I. S., Engineer. Regeneration of Transformer Oil

Having High Dielectric Losses

49

The author claims that in recent years cases of quality deterioration of transformer oil have been observed in Soviet electric power systems. This deterioration is due to an increase of the dielectric loss-angle of oil. He describes the percolation method of regenerating transformer oil and compares the results obtained with the results of other methods.

Aptov, I.S., Engineer. Quantitative Determination of Low-Molecular Water-Soluble Acids Contained in Transformer Oil 51  
The author briefly describes the above method.

Yakobson, I. A., Engineer. New Pressed Line Connectors 52  
The author lists the disadvantages of conventional line connectors (flat PP-type and oval, made by Armset'). He describes the new "pressed" type of connector produced by Mosenergo and the portable MGP-3 hydraulic press

Card 5/7

Operating Experience (Cont.)

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suitable for splicing wires from 16 sq. mm. to 240 sq. mm.  
He explains in detail the procedure for splicing con-  
ductors by this method.

Grinev, S. M., Engineer. Safety Factors for Conductor  
Strength During Repairs  
The author gives data based on experience and on of-  
ficial recommendations.

60

Vinokurov, L. V., Engineer. Vibration of Wire and Stranded  
Cable Transmission Lines and Control Measures  
The author explains the advantages of a new type of  
antivibration device, the so-called "vibration absorber",  
and compares it with the old types. The 7-year trial  
period of 90,000 vibration absorbers of the type de-  
scribed proved their superiority.

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Yurenkov, V. D., Candidate of Technical Sciences, and  
Yakobson, I. A., Engineer. Safety Illumination of High  
Supporting Structures for H-V Transmission Lines

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Operating Experience (Cont.)

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The authors describe methods of illuminating supporting structures so as to comply with safety regulations of the USSR Civil Air Fleet. They also discuss the calculation, construction, installation and maintenance of the lighting arrangements.

Yurikov, P. A., Engineer. Measures for Protecting Transmission Line Crossings Against Atmospheric Overvoltages 75  
The author explains the regulations and how they should be applied in practice.

Batkhon, I. S., Engineer. Calculation of Forces Required for Lifting Supporting Structures by the Nomographic Method 77  
The author explains the theory of this method and its practical application.

AVAILABLE: Library of Congress

Card 7/7

JP/nah  
1-13-59

TRUKHMANOV, L.L., konstruktor; SLIVIN, G.A., konstruktor

Eliminating the malfunction of three-rotor snow plows. Put'  
1 put.khoz. 4 no.2:38-39 F '60. (MIRA 13:5)  
(Railroads--Snow plows)

~~SECRET//NOFORN~~

Report on the Listeria induced encephalitis in mice following treatment with some corticosteroids in enteric infections  
Study No. 14-0513-116a (II-1217)

1. Name of study and date, place, and the antibiotic(s), or  
immuno-augmenting agent(s) used in the study and name of the laboratory  
institut which carried out the work.

POTANIN, N.V., TRUKHMANOV, S.N.

~~Clinical aspects of abdominal purpura in children.~~ Vop. okh. mat.  
i det. 3 no. 5:28-32 S-O '58 (MIRA 11:11)

1. Iz kafedry gospital'noy pediatrii (zav. - prof. A.F. Tur) I  
kafedry khirurgii detskogo vozrasta (ispolnyayushchiy obyazannosti  
zav. G.V. Chistovich) Leningradskogo pediatriceskogo meditsinskogo  
instituta (dir. - prof. N.T. Shutova).  
(CHILDREN--DISEASES)  
(PURPURA (PATHOLOGY)  
(ABDOMEN--DISEASES)

POTASHNIKOVA, S.B.; TRUKHMANOV, S.N.

Detection of urological diseases in children by the method of  
the intra-intestinal administration of sergosin. Urologia  
no.1:53-54'63. (MIRA 16:7)

1. Iz kafedry detskoy khirurgii (zav. - doktor med. nauk G.A.  
Bairov) klinicheskoy bol'nitsy Leningradskogo pediatricheskogo  
meditsinskogo instituta.  
(UROLOGY) (CHILDREN—DISEASES)  
(CONTRAST MEDIA)

GAABE, Yu.E.; KAZARINA, A.K.; KIPERMAN, G.Ya.; MALYI, I.G.;  
ROZENTAL', O.E.; KOROTKOV, A.F., retsenzent;  
TITEL'BAUM, N.P., retsenzent; TRUKHANOVA, A.N., red.;  
IL'YUSHENKOVA, T.P., tekhn. red.

[The theory of statistics] Teoriia statistiki. [By] IU.E.  
Gaabe i dr. Pod red. I.G.Malogo. Moskva, Iskusstvo, 1963.  
398 p. (MIRA 16:5)

(Statistics)

CHISTOKIETOV, Petr Dmitriyevich; LYAMBEK, V.A., red.; TRUKHANOVA,  
A.N., red.

[Collection of problems in accounting on collective farms]  
Sbornik zadach po bukhgalterskomu uchetu v kolkhozakh. Mo-  
skva, Statistika, 1964. 223 p. (MIRA 18:7)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820005-7

TRUKHANOVA, L. B.

"Copolymerization of Chloroprene With Vinyl Esters." Cand. Chem. Sci., Inst. of  
High-Molecular Compounds, Leningrad, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational  
SO: Sum. No 598, 29 Jul 55

APPROVED FOR RELEASE: 03/14/2001

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"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820005-7

TRUKHMANOVA, L. B., KOROTKOV, A. A., and SHCHELENIKOVA, N.N.

"Influence of catalyst concentration on the polymerization of isoprene,"  
a paper presented at the 9th Congress on the Chemistry and Physics of High  
Polymers, 20 Jan-2 Feb 57, Moscow, Rubber Research Inst.

B-3,084,395

APPROVED FOR RELEASE: 03/14/2001

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CIA-RDP86-00513R001756820005-7"

TRUKHMANOVA, L.B.  
USHAKOV, S.N.; TRUKHMANOVA, L.B.

Copolymerization of chloroprene and vinyl esters. Report No.2:  
"Copolymerization Limit" and rates of reactions during the  
copolymerization of chloroprene with vinyl esters. Izv. AN SSSR.  
Otd. khim. nauk no.9:1072-1079 S '57. (MIRA 10:12)

1. Institut vysokomolekularnykh soyedineniy AN SSSR.  
(Polymerization) (Chloroprene) (Vinyl alcohol)

*-TRUKHMANOVA, L. B.*

20-4-25/52

## AUTHORS:

Korotkov, A. A., Trukhmanova, L. B.

## TITLE:

On the Problem of the Nature of the Effect of Complex  
Catalysts of the Reaction of Polymerization of Vinyl Compounds  
(K voprosu o prirode deystviya kompleksnykh katalizatorov  
reaktsii polimerizatsii vinilovykh soyedineniy).

## PERIODICAL:

Doklady AN SSSR, 1957, Vol. 117, Nr 4, pp. 635-637 (USSR)

## ABSTRACT:

First, reference is made to several preliminary works dealing with the same subject. The authors studied the pair of monomers styrene- $\beta$ -methylstyrene. Toluene served as a solvent in all tests. The ratio of the monomers with a common concentration of these monomers from 1,7 to 2,5 is almost equimolecular. The following catalysts were examined here: ethyl-lithium, triethyl-aluminium, titanium tetrachloride and also a complex catalyst (a product of the interaction of the two latter). Polymerization took place in ampules with a separating wall: The solution of the monomers in toluene was in one division, the solution of the catalyst in the other. The ampule was filled, soldered and then left untouched for half an hour to some hours at room-temperature. With the mixture of the solutions of titanium tetrachloride and triethylaluminium the reaction took place practically instantaneously by forming a

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On the Problem of the Nature of the Effect of Complex 20-4-25/52.  
Catalysts of the Reaction of Polymerization of Vinyl Compounds.

black residue. The ampules were put into a thermostat and the separating wall was broken after equalization of temperature. The most important conditions and results of the tests are compiled in two tables. The pure monomers are polymerized by three of the catalysts specified here, but not by triethyl-aluminium. The polymerization of  $\alpha$ -methylstirool by ethyl-lithium takes place only slowly. With the copolymerization of an equimolecular mixture of polymers the copolymer (sopolimer) which is in the initial stage must contain 60% styrene-members and 40%  $\alpha$ -methyl-stirool-members. Based upon the composition of the developing copolymers, the complex catalysts must be computed to the type of acid-catalysts. This is also indicated by the fact that with the presence of complex catalysts no polymerization of methylmethacrylate and acrylonitrile takes place. The difference between the complex and acid catalysts is supposed to consist in the structural peculiarities of the heterogeneous catalyst. With the complex catalysts it is very likely - on account of their crystalline structure - that the adsorbed molecules of the monomer react with the active center on the surface of the catalyst. Such a hypothesis explains the rules governing polymerization by

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On the Problem of the Nature of the Effect of Complex  
Catalysts of the Reaction of Polymerization of Vinyl Compounds.

20-4-25/52

complex catalysts, as observed by various authors.  
There are 2 tables and 12 references, 2 of which are Slavic.

ASSOCIATION: Institute of High-Molecular Compounds AN USSR (Institut  
vysokomolekulyarnykh soyedineniy Akademii nauk SSSR).

PRESENTED: May 23, 1957, by V. A. Kargin, Academician.

SUBMITTED: May 15, 1957

AVAILABLE: Library of Congress

Card 3/3

TRUKHMANOVA, L.B.; USHAKOV, S.N.; MARKELOVA, T.M.

Synthesis of water-soluble copolymers of vinyl alcohol with  
its diacetvl-p-aminosalicylic ester. Vysokom. soed. 6 no.7:  
1346-1349 Jl '64 (MIRA 18:2)

1. Institut vysokomolekuryarnykh soyedineniy AN SSSR.

USHAKOV, S.N.; TRUKHMANOVA, L.P.; DROZDOVA, E.V.; MARKELOVA, T.M.

Synthesis of paraaminosalicyl ester of polyvinyl alcohol.  
(MIRA 14:12)  
Dokl. AN SSSR 141 no.5:1117-1119 D '61.

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. 2. Chlen-  
korrespondent AN SSSR (for Ushakov).  
(Salicylic acid)  
(Vinyl alcohol polymers)

USHAKOV, S.N.; TRUKHMANOVA, L.B.

Copolymerization of vinyl acetate with crotonamide and methylol-crotonamide. Vysokom.sod. 1 no.12:1754-1757 D '59.  
(MIRA 13:5)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.  
(Vinyl acetate) (Crotonamide)

KOROTKOV, A.A.; CHESNOKOVA, N.N.; TRUKHMANOVA, L.B.

Catalytic polymerization of isoprene with butyllithium. Vysokom.  
(MIBA 12:9)  
seed. 1 no.1:46-57 Ja '59.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo  
kauchuka i Institut vysokomolekulyarnykh soyedineniy AN SSSR.  
(Isoprene) (Lithium)

TRUKHANOVA, Antonina Timofeyevna; RAZBASH, I.Ya., nauchn. red.;  
ISH, N.N., red.; NESMYSLOVA, L.M., tekhn.red.

[Special technology teaching in the training of tailors  
for outerwear garments; methodological textbook] Prepoda-  
vanie spetsial'noi tekhnologii pri podgotovke portnykh  
verkhnei odezhdy; metodicheskoe posobie. Moskva, Prof-  
tekhizdat, 1963. 131 p. (MIRA 17:2)

ZAYTSEV, S.G.; LAZARIEVA, YE.V.; TRUKHANOVA, L.N.; SHATILOV, A.P. (MOSCOW)

"Shock -tube investigation of the density behind the reflected shock wave".

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

KNUNYANTS, I.L., glav. red.; BAKHAROVSKIY, G.Ya., zam. glav. red.;  
BUSEV, A.I., red.; VARSHAVSKIY, Ya.M., red.; GEL'PERIN,  
N.I., red.; DCLIN, P.I., red.; KIREYEV, V.A., red.; MEYERSON,  
G.A., red.; MURIN, A.N., red.; POGODIN, S.A., red.; REBINDER,  
P.A., red.; SLONIMSKIY, G.S., red.; STEPANENKO, B.N., red.;  
EPSHTEYN, D.A., red.; VASKEVICH, D.N., nauchnyy red.; GALLE,  
R.R., nauchnyy red.; GARKOVENKO, R.V., nauchnyy red.; GODIN,  
Z.I., nauchnyy red.; MOSTOVENKO, N.P., nauchnyy red.;  
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TRUKHMANOVA, Ye S.

LATYSSIEV, G. D.

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Transactions of the Tashkent (Cont.)

SCV/5410

Candidate of Physics and Mathematics; Ya. Kh. Turakulov, Doctor  
of Biological Sciences. Ed.: R. I. Khanidov; Tech. Ed.: A. G.  
Babakhanova.

PURPOSE : The publication is intended for scientific workers and  
specialists employed in enterprises where radioactive isotopes  
and nuclear radiation are used for research in chemical, geo-  
logical, and technological fields.

COVERAGE: This collection of 133 articles represents the second  
volume of the Transactions of the Tashkent Conference on the  
Peaceful Uses of Atomic Energy. The individual articles deal  
with a wide range of problems in the field of nuclear radiation,  
including: production and chemical analysis of radioactive  
isotopes; investigation of the kinetics of chemical reactions  
by means of isotopes; application of spectral analysis for the  
manufacturing of radioactive preparations; radioactive methods  
for determining the content of elements in the rocks; and an  
analysis of methods for obtaining pure substances. Certain

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Transactions of the Tashkent (Cont.)

SOV/5410

instruments used, such as automatic regulators, flowmeters, level gauges, and high-sensitivity gamma-relays, are described. No personalities are mentioned. References follow individual articles.

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AUTHORS: Trukhmanova, Ye. S., Afanas'yev, T. S.

TITLE: The use of special ionization chambers to measure the activity and check the purity of radioactive preparations

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1961, 61, abstract 24B418 (Tr. Tashkentsk. konferentsii po mirn. ispol'zovaniyu atomn. energii. Tashkent, AN UzSSR, v. 2, 1960, 382 - 389)

TEXT: The possibility is investigated, of using an ionization chamber with  $4\pi$  geometry to measure  $\gamma$  activity in production conditions. This kind of chamber was found to have a number of advantages over those with external irradiation. It is only slightly dependent on the shape of the preparation, there is practically no external background and laboratory workers are exposed to only a low degree of irradiation. To test for impurities it is suggested that a differential ionization chamber with spectral sensitivity should be used. In this type of apparatus measurement is made on the principle of compensating the current from different

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The use of special ionization ...

parts of the chamber by varying the pressure in one of them. To calibrate the chamber the compensating pressure must be measured for all possible  $\gamma$ -emitters. If the compensating pressure differs from the standard for any preparation, this means that impurities are present. The lowest percentage of impurities in artificially prepared mixtures can be revealed by this means. [Abstracter's note: Complete translation.]

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